

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A digital broadcasting storage device using a mark-up language, the storage device comprising:

user interface means for allowing EPG (electronic program guide) information to be used and or searched;

metadata processing means for processing and parsing received XML (Extensible Markup Language)-formatted EPG information, storing the processed EPG information in a storage medium, and parsing the stored EPG information and displaying the processed EPG information and the searched information to be displayed by using an a user interface API (Application Programming Interface) and storing the processed EPG information and searched information by using a database management system API;

a storage means for storing the processed and parsed EPG information;

searching means for searching the allowing stored EPG (electronic program guide) information to be used or searched using at least one of a title, a keyword or a genre according to a user's request and providing the searched information to a user through the user interface means; and

controlling means for controlling the processing, storage and searching of the received and parsed EPG information,

wherein the metadata processing means uses a data management system API to store the processed EPG information in the storage medium and

wherein the metadata processing means further comprises preference extracting means for extracting a preference that is either directly input by a user or automatically created from a watch record based upon specific digital broadcasts previously accessed by the user.

2-3. (Canceled)

4. (Original) The storage device according to claim 1, wherein the controlling means comprises:

database managing means for managing information of the storage means;

media file system managing means for managing a file system; and

a media router for controlling a peripheral device.

5. (Previously presented) The storage device according to claim 1, wherein the metadata processing means comprises:

a media management engine adapted to manage at least one of recording and reproduction of at least one of digital video and digital audio;

a metadata processing engine adapted to process and store the XML-formatted information; and

an XML parsing engine adapted to parse the stored XML-formatted information.

6. (Currently Amended) A digital broadcasting storage method using a mark-up language, the method comprising:

receiving XML (Extensible Markup Language)-based EPG (electronic program guide) information;

extracting metadata from the received XML-based EPG information;
processing the extracted metadata, storing the processed metadata using a database management system API, and parsing and storing the stored extracted metadata;

displaying the extracted metadata to a user by using an user interface API (Application Programming Interface); and

storing the extracted metadata by using a database management system API;

searching the stored metadata using at least one of a title, a keyword or a genre in response to a the user's request to provide the EPG information, the search being performed according to a user preference that is either directly input by the user or automatically created from a watch record based upon specific digital broadcasts previously accessed by the user; and

displaying the searched EPG information to be displayed to the user by using the user an interface API; and

storing the searched EGG information by using database management system API.

7-13. (Cancelled)